

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

- 5 1. (cancelled)
2. (currently amended) Three dimensional imagery including an imagery display having a succession of images initiated at predetermined intervals in time and means to provide, during each of said intervals and therefore for each of said images, a set of plural pairs of visually distinct angles of view of the respective
10 image able to be scanned by left and right eyes respectively.
3. (original) Three dimensional imagery according to claim 2 wherein the number of said pairs of visibly distinct angles of view is an even number.
4. (currently amended) Three dimensional imagery according to claim 2 ~~or 3~~ wherein
15 said pairs of visibly distinct angles of view are complementary about a common centre, parallel along a common horizontal axis.
5. (currently amended) Three dimensional imagery according to claim 2 ~~or 3~~ wherein said pairs of angles of view have different common centres to provide a variety of different comparable focal points, or so as to contain vertical displacement between angles of view.
- 20 6. (currently amended) Three dimensional imagery according to ~~any preceding claim~~ claim 2 wherein said angles of view are provided simultaneously or sequentially but always so as to appear ~~substantially~~ simultaneous to a viewer and at a frame refresh rate sufficient to substantially eliminate visible flicker.
7. (currently amended) Three dimensional imagery according to ~~any preceding claim~~

claim 2 wherein said angles of view are provided in and to different viewing positions.

8. (currently amended) Three dimensional imagery according to ~~any preceding claim~~
5 claim 2 wherein said angles of view are provided so that no two different views are displayed in or to ~~the same~~ a common viewing position during any sequence of display where persistence of vision could discern one view overlapping or superimposing on another view.

9. (currently amended) Three dimensional imagery according to ~~any preceding claim~~
claim 2 wherein each of said angles of view does not exceed 15°.

10 10. (currently amended) Apparatus for viewing an imagery display, including:

means for retaining said imagery display as a succession of images initiated at predetermined intervals in time;

an optical grid means arranged with respect to said imagery display retaining means so that the imagery display may be viewed through the grid means;

15 means for applying a control signal or signals to said optical grid means for causing progressive movement of transmissive/reflective and opaque zones across the means whereby said progressively moving transmissive/reflective zones provide a set of plural pairs of visually distinct angles of view of the imagery display able to be scanned by the left and right eyes respectively; and

20 wherein the control signal is applied and the optical grid means is arranged so that said set of pairs of visually distinct angles of view is provided during each of said intervals and therefore for each of said images.

11. (currently amended) Apparatus according to claim 10 wherein said control signal or signals include a progressive, or sequential, image scanning function horizontally
25 across ~~the panel~~ said optical grid means simultaneously with a progressive, or

sequential, three dimensional image tunnelling function so that imagery can be seen only by both eyes simultaneously, or substantially simultaneously, at multiple or all discernibly separate and exclusive viewing positions over a contiguous arc in front of the display retaining means that comprises the area where imagery can be distinguished clearly.

12. (currently amended) Apparatus according to claim 10 ~~or 11~~ wherein said imagery display retaining means is a cinematograph, video and/or projection apparatus screen on which the images are retained, and the predetermined interval is then the respective refresh period thereof.
- 10 13. (currently amended) Apparatus according to claim 10 ~~to 12~~ wherein the number of said pairs of visibly distinct angles of view is an even number.
14. (currently amended) Apparatus according to ~~any one of claims 10 to 12~~ claim 10 wherein said pairs of visibly distinct angles of view are complementary about a common centre, parallel along a common horizontal axis.
- 15 15. (currently amended) Apparatus according to ~~any one of claims 10 to 13~~ claim 10 wherein said pairs of angles of view have different common centres to provide a variety of different comparable focal points, or so as to contain vertical displacement between angles of view.
- 20 16. (currently amended) Apparatus according to ~~any one of claims 10 to 15~~ claim 10 wherein said angles of view are provided simultaneously or sequentially but always so as to appear ~~substantially simultaneously~~ to a viewer and at a frame refresh rate sufficient to substantially eliminate visible flicker.
17. (currently amended) Apparatus according to ~~any one of claims 10 to 16~~ claim 10 wherein said angles of view are provided in and to different viewing positions.
- 25 18. (currently amended) Apparatus according to ~~any one of claims 10 to 17~~ claim 10 wherein said angles of view are provided so that no two different views are

displayed in or to ~~the same~~ a common viewing position during any sequence of display where persistence of vision could discern one view overlapping or superimposing on another view.

19. (currently amended) Apparatus according to ~~any one of claims the preceding claims~~
5 claim 10 wherein each of said angles of view does not exceed 15°.
20. (currently amended) Apparatus according to ~~any one of claims 10 to 19~~ claim 10
wherein at least four visibly different said angles of view are displayed, two of the
different angles of view having a common centre different to a common centre of
the other two.
- 10 21. (currently amended) Apparatus according to ~~any one of claims 10 to 20~~ claim 10
wherein all of said angles of view displayed for the left eye are displayed
exclusively and separately at positions for the left eye in any sequence of display
where persistence of vision could discern a left view overlapping or superimposed
on a right view, and not displayed completely, exclusively and separately to left
15 eyes, and all views displayed for the right eye are displayed exclusively and
separately at positions for the right eye in any sequence of display where persistence
of vision could discern a right view overlapping or superimposed on a left view,
and not displayed completely, exclusively and separately to right eyes.
22. (currently amended) Apparatus according to ~~any one of claims 10 to 21~~ claim 10
20 wherein said optical grid means includes an optical grid device formed on an
electro-optical panel or display, wherein the grid device is arranged so that its
configuration may be altered within each of ~~the aforesaid said~~ intervals (~~eg. each
separate frame display~~) so that the grid device takes up plural, ~~and preferably
multiple or all~~, discernibly different viewing positions of the imaging display.
- 25 23. (original) Apparatus according to claim 22 wherein said optical grid device has
multiple variable polarisation elements controllable for altering the elements
between opaque and transmissive condition, and wherein the elements have angles
of polarisation that progressively vary across the device whereby the application to

the device of a control signal or signals for effecting said alteration of the elements causes a progressive movement of transmissive/reflective and opaque zones across the device as the conditions of the elements are successively altered between opaque and transmissive or reflective.

- 5 24. (currently amended) A method of viewing an imagery display comprising a succession of images initiated at predetermined intervals in time, the method including:

viewing the imagery display through optical grid means as transmissive/reflective and opaque zones are progressively moved across the optical
10 grid means whereby said progressively moving transmissive/reflective zones provide a set of plural pairs of visually distinct angles of view of the imagery display able to be scanned by the left and right eyes respectively, wherein said set of pairs of visually distinct angles of view is provided during each of said intervals and therefore for each of said images.

- 15 25. (currently amended) An optical grid device formed on an electro-optical panel or display, wherein the grid device is arranged with respect to associated imagery display means so that its configuration may be altered for each image of a series of image displays initiated at predetermined intervals in time, so that the grid device provides, during each of said intervals and therefore for each of said images, a set of
20 plural pairs of visually distinct angles of view of the respective image able to be scanned by left and right eyes respectively.

26. (original) An optical grid device having multiple variable elements controllable for altering the elements between opaque and transmissive or reflective conditions, whereby the application to the device of a control signal or signals for effecting said
25 alteration of the elements causes a progressive movement of transmissive/reflective and opaque zones across the device as the conditions of the elements are successively altered between opaque and transmissive or reflective.

27. (original) A device according to claim 25 wherein said optical grid device includes

a three dimensional imagery optical grid having parallel vertical strips of alternating opposite polarisation rotations through which two visibly distinct complementary angles of view are projected to form substantially aligned images on a screen composed of non polarisation diffusing material.

- 5 28. (currently amended) A device according to claim 25 ~~or 27~~ wherein said optical device is an electro-optical panel including materials selected from polarising materials, and liquid crystal materials ~~and materials analogous in properties and functions to liquid crystal materials.~~
- 10 29. (currently amended) A medium in which are stored ~~frames,~~ image representations, or machine readable code from which may be generated an imagery display including a succession of images initiated at predetermined intervals in time, the medium further storing machine readable code for generating control signal or signals for ~~said~~ optical grid means through which the imagery display may be viewed, which control signal or signals cause progressive movement of
- 15 transmissive/reflective and opaque zones across the optical means whereby said progressively moving transmissive/reflective zones provide a set of plural pairs of visually distinct angles of view of the imagery display able to be scanned by the left and right eyes respectively, and wherein the control signal is applied and the optical grid means is arranged so that said set of pairs of visually distinct angles of view is
- 20 provided during each of said intervals and therefore for each of said images.
30. (original) A medium according to claim 29 wherein said control signal or signals are in synchronism with frames of said images that contain said visually distinct angles of view.
- 25 31. (currently amended) A method of transmitting a ~~signal for broadcasting, recording, displaying, disseminating or downloading~~ three dimensional imagery signal which includes transmitting a first component from which may be generated an imagery display including a succession of images initiated at predetermined intervals in time, and a second component for generating, in synchronism with said images, a control signal or signals for an optical grid means through which the imagery

- display may be viewed, which control signal or signals cause progressive movement of transmissive/reflective and opaque zones across the means whereby said progressively moving transmissive/reflective zones provide a set of plural pairs of visually distinct angles of view of the imagery display able to be scanned by the left and right eyes respectively, and wherein the control signal is applied and the optical grid means is arranged so that said set of pairs of visually distinct angles of view is provided during each of said intervals and therefore for each of said images.
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32. (original) A method according to claim 31 wherein said control signal or signals are in synchronism with frames of said images that contain said visually distinct angles of view.
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33. (currently amended) A method of displaying or disseminating three dimensional imagery which includes generating an imagery display including a succession of images initiated at predetermined intervals in time, and applying in synchronism with said images, a control signal or signals to an optical grid means through which the imagery display may be viewed, which control signal or signals cause progressive movement or transmissive/reflective and opaque zones across the means whereby said progressively moving transmissive/reflective zones provide a set of plural pairs of visually distinct angles of view of the imagery display able to be scanned by the left and right eyes respectively, and wherein the control signal is applied and the optical grid means is arranged so that said set of pairs of visually distinct angles of view is provided during each of said intervals and therefore for each of said images.
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34. (original) A method according to claim 32 wherein said control signal or signals in synchronism with frames of said images that contain said visually distinct angles of view.
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35. (original) An optical grid device according to claim 26 wherein said elements are polarisation elements having angles of polarisation that progressively vary across the device.

36. (currently amended) A device according to claim 26 ~~or 35~~ wherein said optical grid device includes ~~a three-dimensional imagery~~ an optical grid having parallel vertical strips of alternating opposite polarisation rotations through which two visibly distinct complementary angles of view are projected to form substantially aligned images on a screen composed of non polarisation diffusing material.
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37. (currently amended) A device according to claim 26 ~~or 35~~ wherein said optical device is an electro-optical panel including materials selected from polarising materials, and liquid crystal materials ~~and materials analogous in properties and functions to liquid crystal materials.~~